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(54) Title: METHOD AND SYSTEM FOR CELL AND/OR NUCLEIC ACID MOLECULES ISOLATION

(57) Abstract: The present invention relates to methods and system for tissue cell and/or nucleic acid molecule isolation. In particular, to a method for isolating nucleic acid molecules from tissue samples comprising: i) treating a tissue sample with at least one enzyme for tissue dissociation; ii) adding a lytic solution; and iii) isolating nucleic acid molecules. The method further comprises a step of applying hydrodynamic shear force to the product of step (i). The methods and/or system according to the invention are adaptable for use with micromechanical and/or automated processes.

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INTERNATIONAL SEARCH REPORT

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CLASSIFICATION OF SUBJECT MATTER

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According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: C12Q 1/00, 1/68

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI, CAS, Medline

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 1999/060005 A1 (FSM TECHNOLOGIES LIMITED) 25 November 1999 (25.11.1999) <i>page 1, line 1 - page 2, line 11; page 5, lines 3-22; claims 1,4.</i>	1-30, 32-46
X	VAN BURIK, J.A. et al. Comparison of six extraction techniques for isolation of DNA from filamentous fungi. Medical mycology, 1998, Vol. 36, No. 5, pages 299 - 303, Medline-abstract [online], [retrieved on 30 March 2003 (30.03.2003)]. Retrieved from: EPOQUE Medline Database, AN: NLM10075499 <i>abstract.</i>	1,2,6-14,35-46

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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Information on patent family members

International application No.

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
A			none	
WO	A	19990600 05	none	